



## PATENT ABSTRACTS OF JAPAN

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**MORI KO**(54) **PERMSELECTIVE MEMBRANE FOR SEPARATION OF GAS**

## (57) Abstract:

PURPOSE: To provide a titled permeable membrane having high oxygen transmission and excellent permselectivity by polymerizing a polyamine component contg. a specific ratio of a component having a specific repetitive unit and a specific siloxane base polyisocyanate component.

CONSTITUTION: A film is formed by polymerizing a polyamine component and a polyisocyanate component on a microporous backing membrane.  $\geq 30\%$  said polyamine component has the repetitive unit expressed by the formula I and/ or formula II (X is a residual aliphatic, alicyclic or arom. group having  $\geq 1$  primary or secondary amino group, (n) is 1W10 integers).  $\geq 50\text{mol}\%$  said component is the siloxane base polyisocyanate having  $\geq 1$  siloxane structure expressed by the formula III ( $R_1$ ,  $R_2$  are the same or dif-

ferent 1W4C alkyl or phenyl groups) in a molecule and  $\geq 2$  isocyanate groups.

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